Training and Evaluation Outline Report

Task Number: 05-2-7502

Task Title: React to a Hazardous Spill

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 38-410	STORAGE AND HANDLING OF HAZARDOUS MATERIALS {DLAM 4145.11; NAVSUP PUB 573; AFR 69-9; MCO 4450-12}	Yes	Yes
1.	FM 3-34.5	ENVIRONMENTAL CONSIDERATIONS	No	No

Condition: The unit is at an installation training area during daylight hours. A minor vehicle accident during a vehicle convoy caused a spill of approximately 10 gallons of diesel fuel on the asphalt road and 10 gallons of fuel on the shoulder (dirt) of the road. No one was injured in the accident. Standard MOPP conditions do not exist for this task. See the MOPP statement for specific conditions.

Standard: Take the correct spill responsesteps to clean up the spill in compliance with installation training area regulations while protecting Soldiers in the process.

Special Equipment: None

Safety Level: Medium

Task Statements

Cue: Either in a training environment practicing a spill response drill or reacting to an actual spill situation.

DANGER

Failure to complete this collective task correctly can result in injuries to Soldiers and environmental contamination.

WARNING

Soldiers require proper supervision when conducting a spill cleanup. The spill team leader (NCOIC) must ensure the Soldiers have the proper PPE, cleanup the spilled material thoroughly, and dispose of it properly.

CAUTION

None

Remarks: None

Notes: None

TASK STEPS

DANGER

The accident happened on a road, so traffic control is an important safety consideration.

* 1. The unit NCOIC makes a quick risk assessment of the situation and decides it is safe enough to clean up the spill and that the unit has the equipment and training necessary to do so. NCOIC gathers the unit spill response team together, and they discuss the cleanup. The NCOIC follows the acronym REACT after protecting the Soldiers with proper personal protective equipment.

Note: The NCOIC notifies range control of the accident and the attempt at cleanup. The NCOIC is aware of the installation regulations concerning fuel spills. The NCOIC has the equipment needed to cleanup the spilled fuel, as well as the contaminated soil, containerize it and knows where to take it on the installation for proper disposal.

2. Protect yourself. Evacuate the area, if necessary, due to the type of spill. Identify the spilled material and retrieve the Material Safety Data Sheet (MSDS) for that product. Take all precautions regarding human health as detailed on the MSDS sheet. Use the proper PPE. Extinguish smoking materials and all sources of ignition. Turn off power if there is a risk of fire. Ventilate the area if indoors. MAKE A QUICK ASSESSMENT TO DETERMINE IF IT IS SAFE AT THIS TIME/PLACE TO RESPOND WITH CLEANUP? IF SO, PROCEED TO STEP 2. IF NOT, WAIT TO RESPOND WHEN SAFE TO DO SO.

3. REMOVE the source. If it is a leaking barrel, seal the leak or place in an overpack drum. If it is a leak from a vehicle, get a drip pan. If there are leaky connections, then tighten loose connections. If there are open valves, then close them. If equipment such as pumps are leaking, then shut down power to pumps.

4. ENVELOP the spill. Use absorbent pads or socks to stop the flow. Use absorbent booms to curb the spill. Use absorbent booms or pads to protect waterways/drains.
Use a shovel to create a small dam to stop the spill.

5. ABSORB or accumulate the spill material within the enveloped area. If the spill is on a hard surface, use dry sweep to soak up liquid spills. If the spill is on a mud or gravel surface, put down absorbent pads.

6. CLEAN/CONTAINERIZE. Place absorbent pads, socks, booms in a plastic bag or container. If the spill is 55 gallons or less, dig up the contaminated soil, and place it in a bag or drum. Take the contaminated materials to the nearest Hazardous Waste collection point for disposal. For spills greater than 55 gallons, notify your installation so properly trained clean up teams can respond.

7. TELL your supervisor. Submit a verbal report ASAP and a written report to follow. Spill report forms may vary dependent on state, host nation, or local requirements, but usually have the same basic information:
a) Contact information
b) Date, time, and location of spill?
c) What and how much was spilled?
d) What action was taken?
e) What damage occurred?
f) What additional assistance/action is needed?

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. NCOIC conducted a quick risk assessment and decided the unit can clean up the spill without outside assistance.			
2. The Soldiers were protected.			
3. The source of the spill was Removed.			
4. The spill was Enveloped or otherwise contained.			
5. The spill material was Absorbed or Accumulated.			
6. The contaminated soil was Containerized.			
7. A supervisor was Told and the spill properly reported and documented.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: **1 2 3 4 5 M**

COMMANDER/LEADER ASSESSMENT: **T P U**

Mission(s) supported: None

MOPP: N/A

MOPP Statement: If there is a CBRN environment, the spill can wait until it is safe to clean it up.

NVG: Never

NVG Statement: Spill cleanup should be done during daylight hours.

Prerequisite Collective Task(s): None

Supporting Collective Task(s): None

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-250-1037	Develop a Unit Environmental Program	052 - Engineer (Individual)	Proposed
	158-100-4003	Communicate Effectively at the Direct Leadership Level	158 - Army Leadership (Individual)	Approved
	158-100-7015	Develop an Effective Team	158 - Army Leadership (Individual)	Approved
	158-100-8006	Solve Problems Using the Military Problem Solving Process	158 - Army Leadership (Individual)	Approved

Supporting Drill Task(s): None

TADSS

Step ID	TADSS ID	Title	Product Type	Quantity
	GTA 05-08-017	The Environment and Deployment: Tactical Risk and Spill Reaction Procedures	GTA	1
	GTA 05-08-014	the Environment and Predeployment: Unit Predeployment and Load Plan Considerations	GTA	1

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
	CA5035	Spill Kit	1
1.	CA5035	Spill Kit	1

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
	8415-00-266-8673		GLOVES,RUBBER,INDUSTRIAL	1
	8110-00-292-9783		DRUM,SHIPPING AND STORAGE	1
	4240-01-292-2818		GOGGLES,INDUSTRIAL	1
	4235-01-432-7912		SPILL CLEAN-UP KIT,HAZARDOUS MAT	1
1.	8415-00-222-8074		APRON,PLASTIC,DISPOSABLE	1
1.	8415-00-281-7816	A87412	APRON,TOXICOLOGICAL AGENTS PROTE	1

Environment: Practicing a spill drill can be accomplished without impacting the environment.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. Soldiers need to have access to the correct Personal Protective Equipment (PPE) and contents of a spill kit to effectively react to a spill. Spill response need not be done right away in a combat environment, but when it is a safe time to respond. If the spill is on a busy road/highway, all possible safety precautions need to be considered.